

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/087735 A2

(51) International Patent Classification⁷: **C07K**
(21) International Application Number:
PCT/US2004/009398
(22) International Filing Date: 26 March 2004 (26.03.2004)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
60/458,063 26 March 2003 (26.03.2003) US
60/534,689 8 January 2004 (08.01.2004) US

(71) Applicant (for all designated States except US): **THE UNIVERSITY OF TEXAS** [US/US]; Health Science Center at Houston, 7000 Fannin Street, Suite 1477, Houston, TX 77030 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PAUL, Sudhir** [US/US]; 2323 Reflection Court, Missouri City, TX 77459 (US). **NISHIYAMA, Yasuhiro** [JP/US]; 7100 Alameda Road #607, Houston, TX 77054 (US).

(74) Agents: **HAHL, Robert, W.** et al.; Katten Muchin Zavis Rosenman, 1025 Thomas Jefferson Street, NW, East Lobby, Suite 700, Washington, DC 20007-5201 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

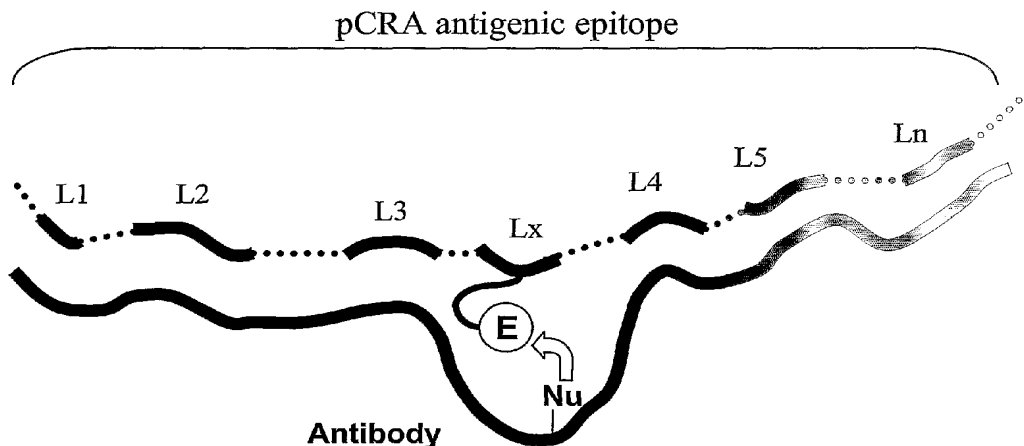
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROTEOLYTIC AND COVALENT ANTIBODIES



(57) Abstract: Improved methods for the production, selection and inhibition of catalytic and covalent antibodies are disclosed.

WO 2004/087735 A2